



WHERE **IRON AGE** ARE MADE

FARM, GARDEN AND ORCHARD TOOLS

BATEMAN M'FG CO.,

ESTABLISHED 1884

Greenloch, New Jersey
U. S. A.

Canadian Factory
Toronto, Ontario

Tools are carried in stock at centers of distribution. Liberal stocks of suitable tools for each vicinity are carried by the best class of implement and hardware dealers in the country.



SOWING SEED ACCURATELY AND WITH THE LEAST POSSIBLE TROUBLE

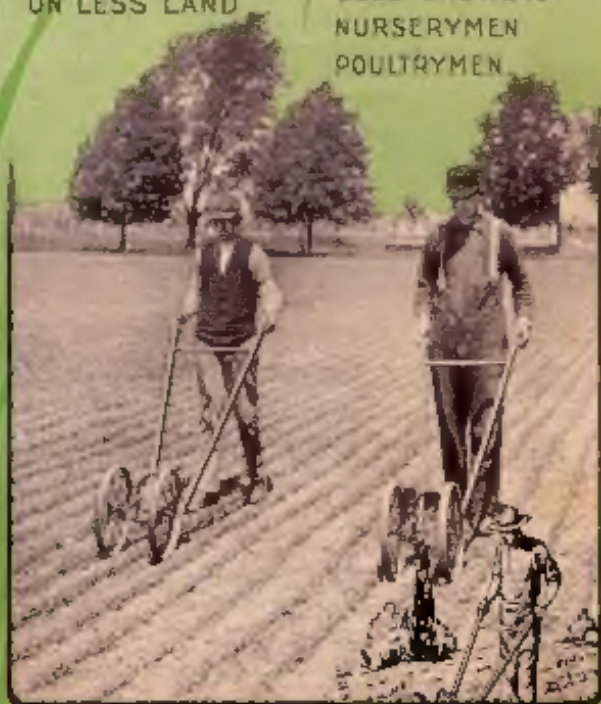
GARDENING WITH MODERN TOOLS

MAKES

FAR LESS WORK
PERFECT PLANTING
BETTER CULTIVATION
GREATER PROFIT
ON LESS LAND

FOR

MARKET GARDENERS
HOME GARDENERS
SEED GROWERS
NURSERYMEN
POULTRYMEN



Patented by
Klein's Bateman Mfg Co. & Collectors

IRON AGE *Garden Drills and Wheel Hoes* *Save Crop, time, labor, money.*

You, that make gardens, big and little, are interested in the means of sowing and especially in the cultivating tools. You do not mean to work hard with your hands, bend your back, or wear out your knees on the ground. Such means are out of all proportion to the end.

As a market gardener you need to plant some crops close and have them worked with Wheel Hoes—others are planted wider but with fill-in crops, which must be farmed with Wheel Hoes until the first crop is out.

You can do the work more thoroughly and more carefully with the Wheel Hoe than with horse tools. No danger of destroying young, tender plants.

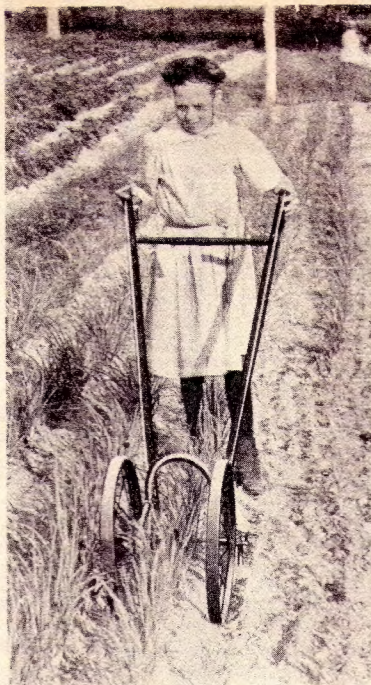
You can plant every seed just where you want it—regular planting makes easy cultivation, little or no hand weeding, and every valuable seed counts.

Any home gardener can use these tools to advantage by planting his garden in the modern way—long rows instead of little old-fashioned beds.

You, your wife, your boys and girls, can operate Wheel Hoes easier, more safely and faster than an ordinary hoe—you can go through many times where once had to be enough the old way.

You not only have a pair of side hoes but other tools such as plows, teeth, rakes, etc., which take the place of and do much more and better work than any separate tools of olden times.

The general farmer will find that



EVEN THE LITTLE GIRL CAN DO HER SHARE

his garden is not a thing to dread but rather something to be proud of, if he uses hand tools like these.

You can work with them at odd times or in the evening when you would not use the horses.

Saves buying expensive food for your table, makes it easier for your wife to provide and keeps the help in better health and better humor.

Seed growers, nurserymen, sugar-beet men, poultrymen, onion growers,—all have profitable use of these tools.

Mechanics and laboring men can, with slight outlay and very little work, provide their tables with plenty of fresh vegetables, save their meat bills, and be independent on the question of high cost of living.

As to quality of this line, we have been making them nearly 20 years and we make all machines

with an eye to future business—this means you get high grade materials, well put together, rightly designed for every day use, by every day men.

Here are shown at least 38 or more combinations and styles of garden tools—something to suit each man's need and each pocket book. Don't forget to look at the fertilizer tools and attachments on pages 15-16.

See, also, Barrel Trucks, Carts, Leaf Racks, Small Garden Tools, Row Indexes, etc., on pages 17-19.

Let your dealer know what you need—he can fit you out.

**BATEMAN
M'F'G CO.
GRENLOCH,
N.J., U.S.A.**



FIVE "IRON AGE" DRILLS FOLLOWING THE MARKS OF THE FERTILIZER DRILL

Combined Hill and Drill Seeder, Double and Single Wheel Hoe

No. 6

Many men should use combination tools for two reasons:
They save in first cost and
They take up less room.

Thousands of gardeners have found this to be true of No. 6. We do not believe that combination tools like this one are best for market gardeners—they should buy No. 7 Drills and No. 1 Wheel Hoes or such other tools in this line as best suits each particular need, but each should be a complete tool by itself. The home gardener who has enough ground to warrant it and who can spare the price of the combined tool, will find No. 6 very convenient.

The largest part of your garden work (and the most important) is the cultivation, but the drill sows more accurately, making replanting or thinning practically unnecessary; also, sows in a straight line, which makes easier and better cultivation possible. More than that, the drill saves bending that good back of yours—if that

means anything to you, we know you won't regret buying the combined machine.

Changes from drill to wheel hoe and back again are easily made—takes about three minutes. Simply remove drill attachment, Fig. 134, and adjust the cultivating tools which you want to use. For use as double wheel hoe, remove wheel and long axle and attach both wheels with short axles, outside the frame extensions.

What it will do. It will open its own furrow, sow in continuous rows or drop in hills, cover the seed with loose soil, pack it with roller and mark the next row, all in one operation.

Kinds of seeds No. 6 will sow. Vegetable—asparagus, beets, cabbage, carrot, cauliflower, celery, chicory, cucumber, endive, kale, leeks, lettuce, mangold, okra, onions, parsley, parsnips, peas, pepper, radish, rice, sage, salsify, savory, spinach, tomato, turnip, etc. Fruit seeds—apple, cantaloupe, melon, pear, etc. Also, tobacco and flower seeds.

Capacity. The hopper holds two quarts and the seeder distributes uniformly whether the hopper is full or only partly so.

Sugar beet and chicory growers can sow these seeds with the No. 6 accurately and without injury. The arch being high allows cultivation of these crops until well grown.

As a hill seeder, it will drop in hills at 4, 6, 8, 12, or 24 inches apart and, when ordered, the seeder will be equipped with special sprocket wheel, C-121-A, which will drop the seed 5, 8, 11, 16 or 32 inches apart. If new seeder is wanted with special sprocket, add letter "A" to the number, as No. 6-A.

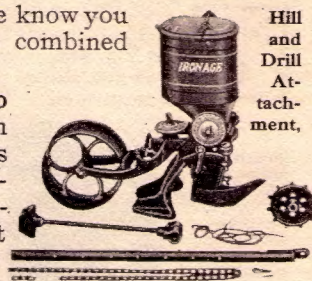
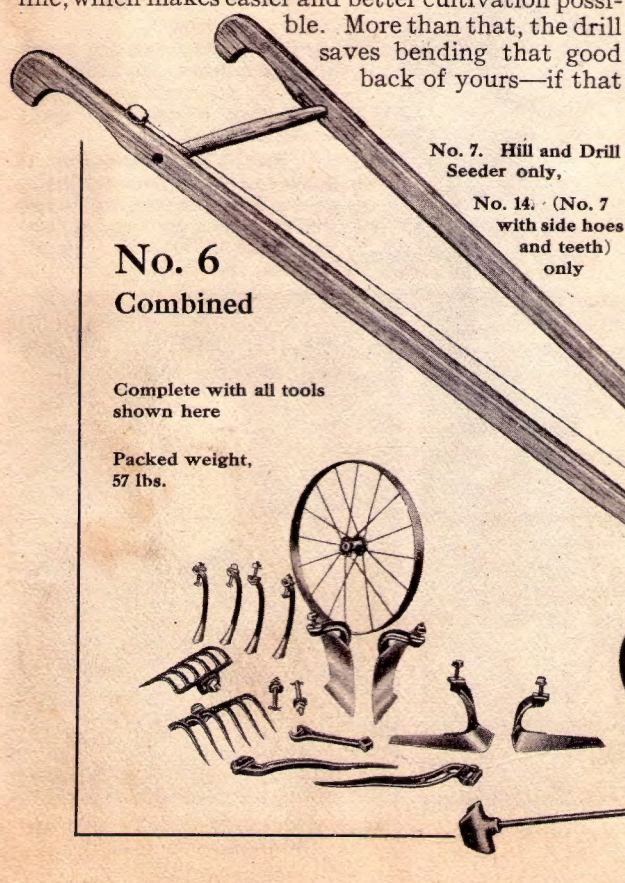


Fig. 134

Hill
and
Drill
At-
tach-
ment,



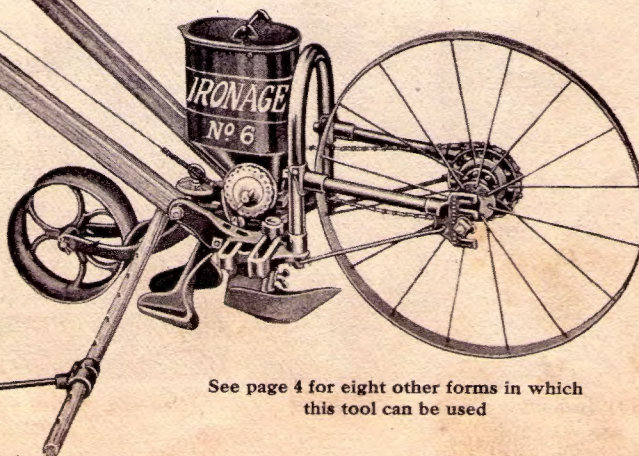
**No. 6
Combined**

No. 7. Hill and Drill
Seeder only,

No. 14. (No. 7
with side hoes
and teeth)
only

Complete with all tools
shown here

Packed weight,
57 lbs.



See page 4 for eight other forms in which
this tool can be used

Combined Hill and Drill Seeder, Double and Single Wheel Hoe

No. 6

The change from hill to drill seeder is made instantly by throwing upper lever shown in Fig. 318, into notch in lower lever. This cut also shows the hill spacing plate and its connections. The pins, placed in holes at outer edge of plate, space the various distances under 24 inches. The arrow indicates stationary peg on back of the plate that makes the hills 24 inches apart.

FOR 24"

Amount to be sown. This is regulated by a seed slide and index adjustment for various seeds (Fig. 146). Every man has his own ideas on this point and with this index he can suit himself. When the indicator is set, that should be taken as a

Brush agitator, hill dropping device, index and opening plow

BRUSH AGITATOR

PEA
BEET
PARSNIP
SPINACH
RADISH
ONION
TURNIP
CELERY

SEED
OPENING
PLATE

SEED
OPENING

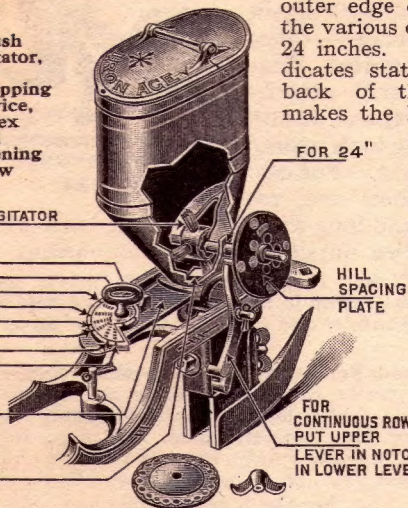


Fig. 146

starting point from which to regulate the flow of seed exactly, by moving index a trifle backward or forward.

A force feed. Some round, smooth seeds flow through the discharge opening naturally, but others, such as beets,

tomatoes, etc., cling together and need an agitator to insure continuous feed. Ours is a brush agitator, made of selected bristles that do not injure the seed in any way—they wear a long time and are cheaply replaced—they feed all of the seed that the opening in the slide will take care of.

A swing cut-off permits the operator to stop the flow of seed instantly by means of a cord and ring on the handle—this prevents loss at ends of rows. Fig. 319 shows bottom side of the cut-off—it cannot be jammed by falling seed as can the cut-offs that slide under.

Seed sowing in full view. Fig. 183 shows how there can be no mistake about the seed being deposited in the soil, for the man

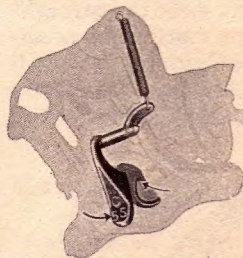


Fig. 319

Arrows show seed opening and swinging cut-off



Fig. 183

You can see the seed drop

at the handles can see every seed as it drops into the spout. You will not have spaces without seed, which you don't know about.

Steel Locke belt chains are furnished on all Iron Age drills, and adjustable cam tighteners not only keep the tension right but help in attaching or removing the chain.



Used either as a drill or hill seeder



Ten-year-old boy with Double Wheel Hoe form of No. 6



Making garden in comfort with Single Wheel Hoe form of No. 6

Combined Hill and Drill Seeder, Double and Single Wheel Hoe

The opening plow (Fig. 146) not only opens the furrow but crushes and separates all trash in the way and keeps the seed in a straight, narrow row which makes it possible to cultivate very close. The plow is adjusted in depth by thumb screw in front.



Fig. 145

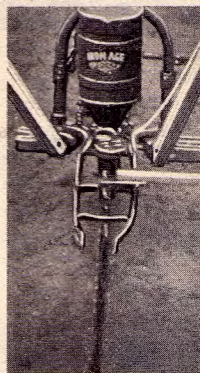
For sowing onion seed, for sets, in a row over three inches wide, we recommend the use of opening plow, Fig. 145. It is largely used for this purpose. Can be applied on Nos. 6, 7, 15, 16 and 22.

For drilling seed in very narrow rows, opening plow, Fig. 215, may be used. It is especially valuable for market onions other than sets because the wheel hoe can be worked close enough to do all the necessary weeding. It cannot be used for dropping in hills. When complete machines are ordered with this plow, it should be with Nos. 4, 5, 17, 18,



Fig. 215

only—add letter "B" to the number, as No. 4 B. As an attachment, it will also fit Nos. 6, 7, 15, 16 and 22 drills. Price includes the spout.



Sows in narrow rows with Fig. 215 plow. Hand weeding is needless

Fig. 360 shows a new plow that can be applied to either No. 6 or No. 15. On account of its shape, it pulls into the ground easily, but is recommended for clean soil only.



Fig. 360
Plow only,

Coverers close the furrow after the seed is dropped. They are flexible to prevent clogging with trash or lumps.

The next row can be marked at 6 to 20 inches, either side of the tool. Takes but a second to adjust—the stick pivots at rear of the hopper and can be thrown by the foot.

Attachments. Other than the plows above mentioned, all attachments on page 7, also Figs. 184 and 235, page 16, can be applied to this tool.

Combined Drill Seeder and Double and Single Wheel Hoe



Fig. 133

No. 4

A drill seeder, like No. 6 except that it does not have hill dropping device and has a different opening plow. Fig. 133 is the drill attachment which, added to No. 1 Wheel Hoe, makes No. 4 Combined. Sows in continuous rows only. For the man who makes a specialty of one or more crops that are always sown in continuous rows and naturally has no use for the hill dropping parts.



Fig. 234

because it cuts through trash, etc. If drill is wanted with Fig. 234 in place of regular steel plow, order by adding letter "D" to the number, as No. 4D.

Fig. 215, on this page, can be furnished for No. 4, either as an attachment or on complete tool in place of regular plow and spout—if wanted that way, order by adding letter "B" to the number, as No. 4 "B"

No. 5. Drill Seeder only.

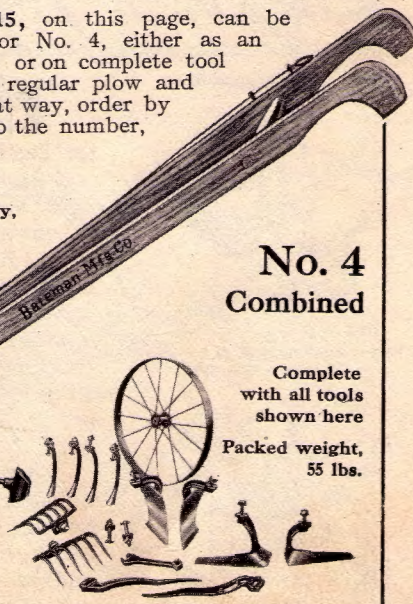
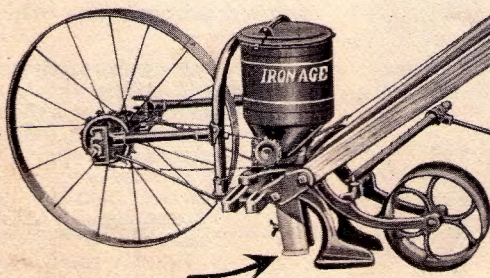
No. 40. (No. 5 with Side Hoes and Teeth)

**No. 4
Combined**



Fig. 320
Regular opening plow, reversed

Fig. 234 represents a plow similar to the regular opening plow on Nos. 6, 7, 15, 16, and 22 drills. It is known to our customers as an anti-clog plow



Complete with all tools shown here
Packed weight, 55 lbs.

Double and Single Wheel Hoe

No. 1

Remove Fig. 134 drill attachment, on No. 6 Combined, change to double wheel form, add the working tools listed below and you have No. 1 double and single wheel hoe, ready for any kind of cultivation necessary.

You can hoe, cultivate, ridge growing crops, weed, level and fine your soil, open furrows for planting potatoes and other seed, mix the fertilizer with the soil, and cover seed after planting.

This page shows eight forms in which this tool can be used with the regular outfit of working tools, including

Pair of Side Hoes
Pair of Plows

No. 1

Including all tools shown here.

Packed weight, 40 lbs.

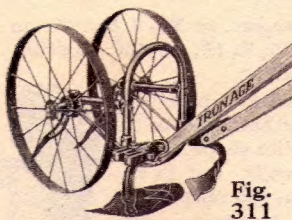
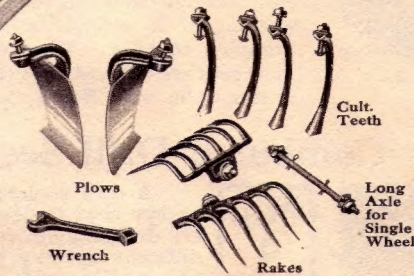
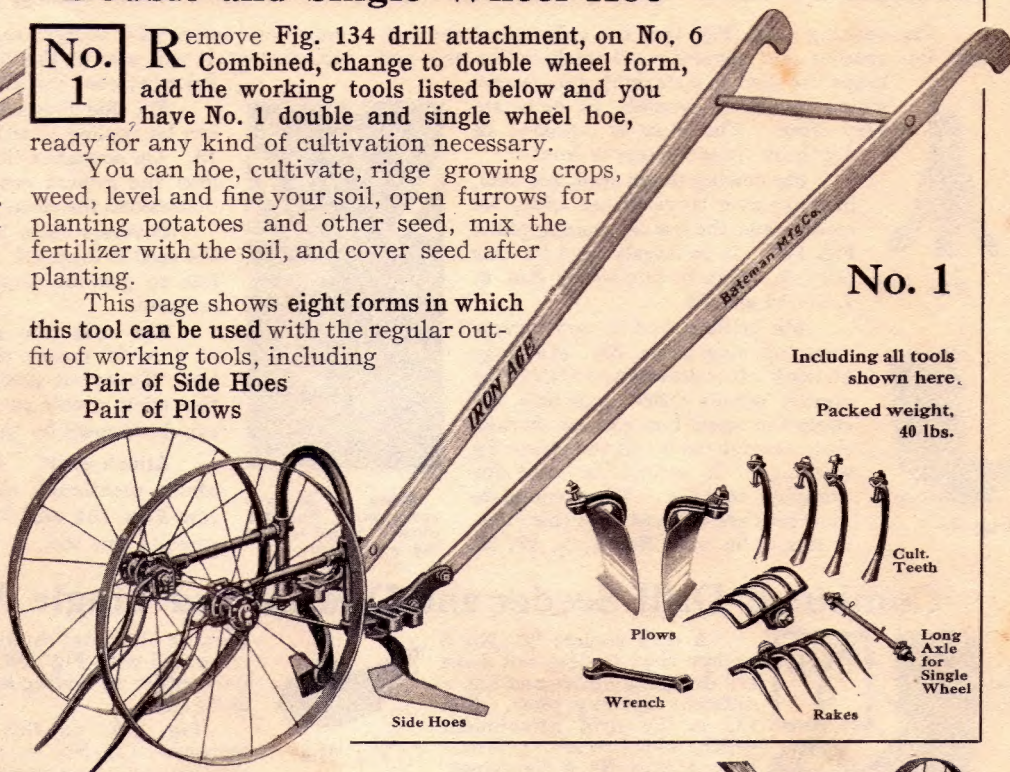


Fig. 311

With plow set for hilling

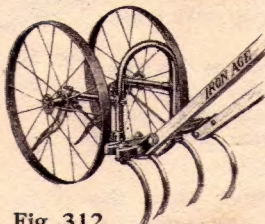


Fig. 312

Cultivator teeth can be set to suit the width of rows

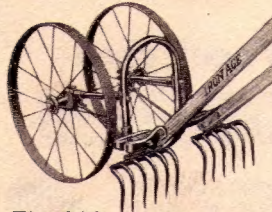


Fig. 310

With rakes to go astride the row

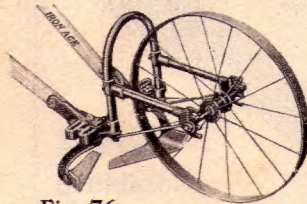


Fig. 76

With side hoes set to cut close between the rows

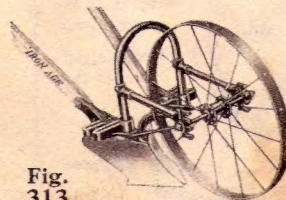


Fig. 313

Plows set to open a furrow

Pair of Rakes, 6 tooth
Four All-Steel Cultivator Teeth

It can be purchased with less working tools as shown at the bottom of the page. Also, with any of the attachments shown on page 7, or fertilizer attachments on page 16, or as a disc cultivator on page 6, or as No. 4 Combined Drill on page 3, or as No. 6 Combined on page 1.

It is the only combination double and single wheel hoe on the market. The change from one form to another takes but

No. 3. (No. 1 with Side Hoes only),
No. 13. (No. 1 with Side Hoes and Teeth only),

a minute and this feature alone makes the tool doubly valuable. When the plants are young, the double wheel hoe should be used astride the row and the single wheel hoe for working between the rows, after the plants have grown too high to be worked properly any other way.

The operator walks in upright position and pushes the tool ahead of him, a step at a time. This one thing makes thousands of converts to modern gardening, because none of us like to bend our backs and dig and pull weeds in the old way. With a tool like this, there is no need for hard work.

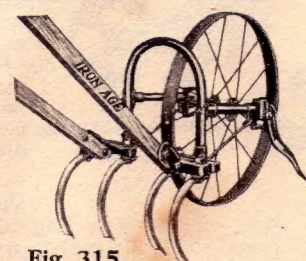


Fig. 315

For cultivation between rows

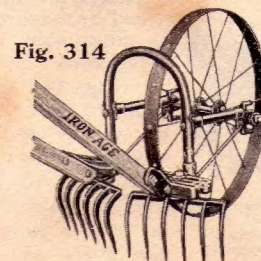


Fig. 314

Set for weeding between rows

Single and Double Wheel Hoes—Continued

No. 1

In construction, we get three results—a light weight tool that anyone can push—a strong tool that will last a generation—a convenient tool that can be changed to a single wheel hoe, adjusted to any condition and takes many attachments to do special work.

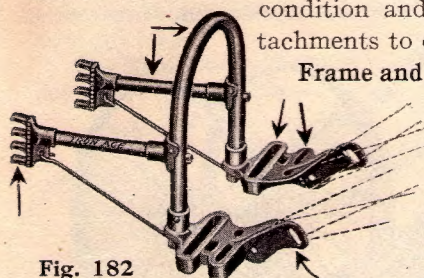


Fig. 182

Steel tube frame. Adjustments for wheels, working tools and handles

The high arch permits work astride 20-inch plants. We have used this style frame from 1895, when we began to make No. 1.

16-inch steel wheels. Built as for a bicycle, light but strong—being high wheels, they run easy, ride holes or furrows without sticking and carry the frame well above the work. The wheels can be set at three different heights in the frame or placed inside the frame for narrow rows. Use the long axle shown with No. 1 to change to single wheel hoe.



Short side hoes set for close work in spinach

work astride.

The dotted lines in **Fig. 182** show adjustment for handles to suit the small boy or tall man. The handles are made of ash.

Frame and handles. Fig. 182 shows steel tube frame with malleable fittings and steel braces—regular bicycle construction—strong, compact, light.

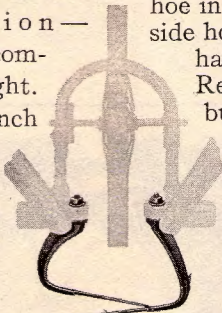
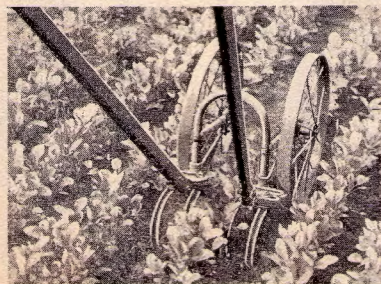


Fig. 316

Hoes set close for working between narrow rows



Perfect cultivation and no danger to the plants

Vine lifters keep the plants from being covered with soil. We furnish two.

The side hoes can be set close to the plants as the wheel runs steadily. For first hoeings of small plants, set as in No. 1 to work astride or between the rows, as in **Fig. 76**. One hoe hangs slightly ahead of the other, trash can get through and hoes can overlap when reversed—can hoe in 9-inch space. Special side hoes can be furnished to hang opposite, if wanted. Regular hoes are 7-inch, but we make them from 4 to 12 inches wide on special orders.

The cultivator teeth are steel in one piece—slender, yet strong—with points shaped for perfect cultivation. Can be used in any position on the frame. **Fig. 317** shows front and side views of special cultivator teeth which can be furnished for old or new tools. The points are one inch wide and cut the surface better. The shanks are closed in so that they will go through hard ground easily.

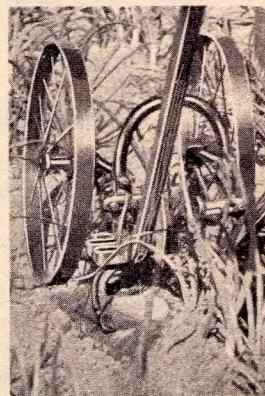
The plows are used astride the rows or between, for hilling or taking soil from the plants. With both plows in the center, you can open a good furrow—by reversing, can cover after manure and seed.

The rakes level and pulverize the soil for the seed bed—also break the first crust, destroying the weeds. Can be set at any angle.



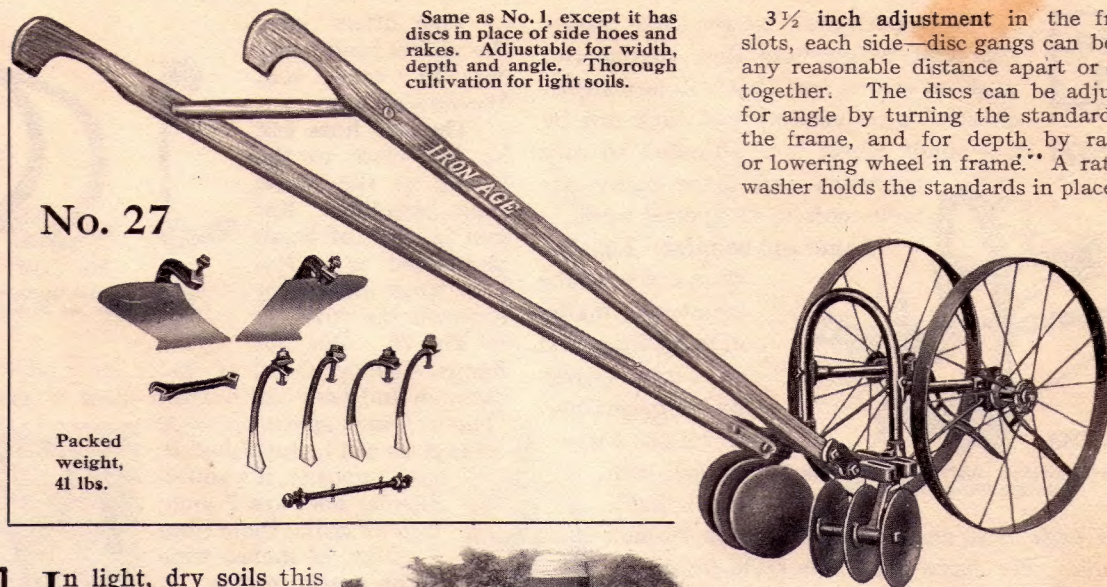
Fig. 317

Special narrow shank cultivator teeth. Per set of four,



Ridging onions after heavy rain

Double and Single Wheel Garden Disc Cultivator



No. 27

Packed weight,
41 lbs.

Same as No. 1, except it has discs in place of side hoes and rakes. Adjustable for width, depth and angle. Thorough cultivation for light soils.

3 1/2 inch adjustment in the frame slots, each side—disc gangs can be set any reasonable distance apart or close together. The discs can be adjusted for angle by turning the standards in the frame, and for depth by raising or lowering wheel in frame. A ratchet washer holds the standards in place.

No. 27

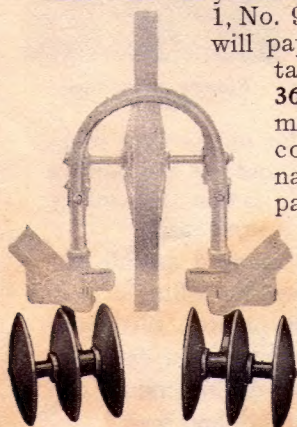
In light, dry soils this combination makes the soil fine and loose, and market gardeners will find it to their advantage to have at least one outfit like this. If you already have No.

1, No. 9 or No. 20, it will pay to have attachment

(Fig. 369, page 7) to make one of the combinations named on this page. The discs are not suited to wet or trashy soil.

Throws soil to or from the row. The discs can be set either way and used astride or between rows.

Can be used three, two, or one on a side, to suit width of rows.



Showing discs arranged for inthrow

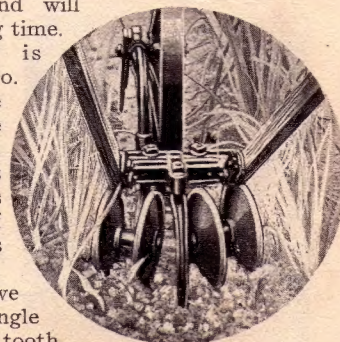


Two discs on each side in narrow rows of seed onions

When set to throw in and meant to work close, the standards and thimbles are changed—easily and quickly done. The discs are heavy steel, properly ground, and will wear a long time.

No. 27 is same as No. 1 Double and Single Wheel Hoe, except it has discs in place of side hoes and rakes.

Above we show a single cultivator tooth, used between the For perfect cultivation disc gangs to get more thorough cultivation from row to row.



No. 28. Single Wheel Garden Disc Cultivator (same as No. 20, except discs in place of hoes and rakes).

No. 29. Single Wheel Garden Disc Cultivator (same as No. 9, except discs in place of side hoes and rakes).

Attachments for Wheel Hoes

These attachments increase the variety of work that can be done and save much time. They also save buying complete tools for special work.

Combined Disc and Fender Attachment, Fig. 169

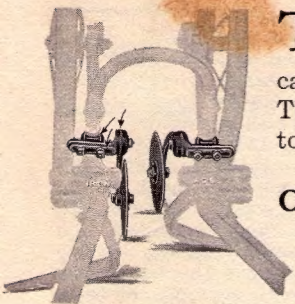


Fig. 169

Solid part shows disc and fender attachment. Arrows indicate adjustments. Attachment only.

You cannot safely hoe close to small plants on account of the crust that forms around them—the small discs on this attachment are set to cut the surface ahead of the hoes. Discs may be used as fenders (usually with cultivator teeth) to keep soil from being thrown on the plants. Arrows in the cut indicate three different adjustments—depth of cutting, distance from the plants and position forward or back.

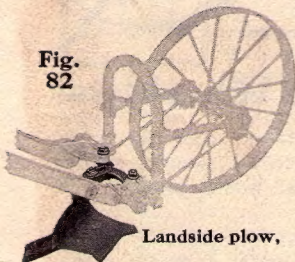
Garden Disc Cultivating Attachment, Fig. 369

See page 6 for description. Furnished as attachment for wheel hoes, Nos. 1, 9 and 20.

Fig. 369
Garden disc
cultivating
attachment



Fig.
82



Landside plow,

Landside Plow, Fig. 82

Makes the tool a perfect wheel plow, with plow following line of the wheel. Plows good, deep furrow and runs steadily.

Double Moldboard Plow, Fig. 170

Has adjustable wings to open furrows of various widths. For narrow work the wings can be removed. Can be applied to any Iron Age Wheel Hoe.

Special Fender Side Hoes, Fig. 216

Made with high sides, for early working, especially in onions.

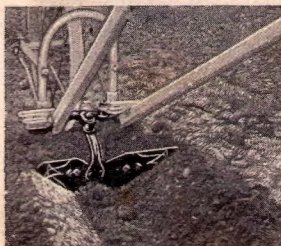


Fig. 170.

Used in place of the regular hoes on any Iron Age Wheel Hoe—will be furnished that way when ordered—add letter "C" to the number of the tool, as No. 1C, and 65 cents to the price. Cut shows them for working astride—can be reversed for work between rows.



Fig. 216
Special fender side hoes

Hilling Attachment, Fig. 236

For Double Wheel Hoes. These hillers draw a small amount of soil to the plants, working astride the row. Are used principally in early cultivation of onions.



Fig. 236.

Double Weeder Attachment, Fig. 81

For destroying the weeds in hard crust which the side hoes might not get alone. Cut shows position in which weeder is attached. It throws back to the plants the little soil taken away by the hoes and leaves the ground with a level mulch of fine soil that protects in dry time. One or more teeth can be taken off. Attachment can be used on single wheel hoe by changing to opposite sides.

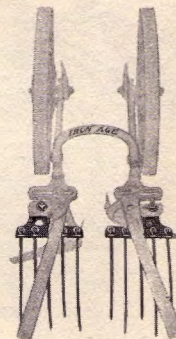


Fig. 81
Attachment only,

Single Tooth Attachment, Fig. 112

To be used with single wheel form of No. 1 Hoe, to cultivate the ground between the two inside teeth when working between rows.

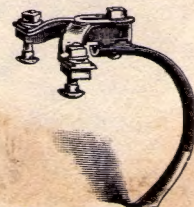


Fig. 112.

Onion Set Gatherer, Fig. 33

Saves hours of hard work. Gathers onions, radishes and other root crops in a thorough manner. Can be used on any of our double and single wheel hoes.



Fig. 33.

Single Wheel Hoe

No. 20

A lower-priced, lighter weight tool than No. 1, but thoroughly practical in every way.

Although light, it is strong and durable, and is able to do all of the necessary between-the-row hoeing, cultivating, furrowing, ridging, weeding, leveling, etc., in any home or market garden.

Market gardeners know that they need many tools to get each part of the work done and they prefer separate tools for each job and not have to change. As we have said before, there is more between-row work in the season and so this No. 20 is a very popular tool with the market gardener.

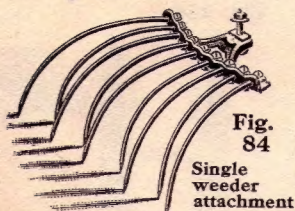


Fig. 84

Single weeder attachment

The wheel is steel, 16 inch, 1 3/4 inch rim, built like a bicycle wheel and supported by steel tube frame extensions. The wheel is adjustable in the frame for height.

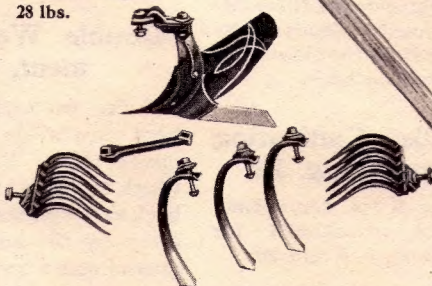
The working tools with every No. 20 include

Pair Side Hoes
Pair Rakes, 6 tooth

No. 20

Complete

Packed weight,
28 lbs.



One Landside Plow

Three All-Steel Cultivator Teeth

They are adjustable for position on a one-piece malleable frame for close or wide cultivation.

The handles, also, are adjustable for small boys or tall men, so that you operate the tool in comfort.

Drill attachments. Either Fig. 134 (page 1) or Fig. 133 can be used on this tool, making complete drills Nos. 15 or 17. If you do not have much storage room and yet need to do a variety of work, the combination tools are the most economical.

Single Weeder Attachment. Fig. 84. It pulverizes the soil and destroys the weeds just coming through. One or more teeth can be removed if necessary to work in narrow spaces.

Other attachments. Figs. 33, 112, 170, 216, 236 and 369, on page 7, and Figs. 184 and 235, on page 16, can be used on No. 20. No. 28, listed on page 6, is the disc garden cultivator form of No. 20.

No. 21 (No. 20 with side hoes only).



Combined Hill and Drill Seeder and Single Wheel Hoe

**No. 15
Combined**

No. 15

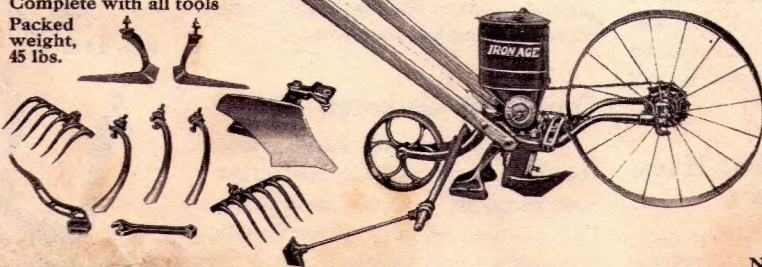
No. 20 plus Fig. 134, on page 1, makes this combination and gives the man

who prefers or needs single wheel hoe only, the same equipment and service as with our No. 6 Combined, except that he does not have the double Wheel Hoe or the higher frame.

Sows all of the seeds named on page 1, either in continuous rows or drops in hills 4, 6, 8, 12, or 24 inches apart, the change from hill seeder to drill and back being made instantly.

Figs. 145 and 215, on page 3, will fit this tool as attachments, but Fig. 215 should not be ordered new with No. 15 as a new tool because it will not work when dropping in hills. Order Nos. 17B or 18B, if you prefer Fig. 215 on your new machine.

Complete with all tools
Packed weight,
45 lbs.



No. 16, Hill and Drill Seeder only,

Combined Drill Seeder and Single Wheel Hoe

No. 17

No. 20 plus Fig. 133 makes this combination. It is the same as No. 15 Combined, except that it will not drop seed in hills, and the opening plow is different.

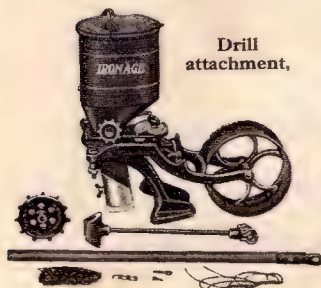


Fig. 133

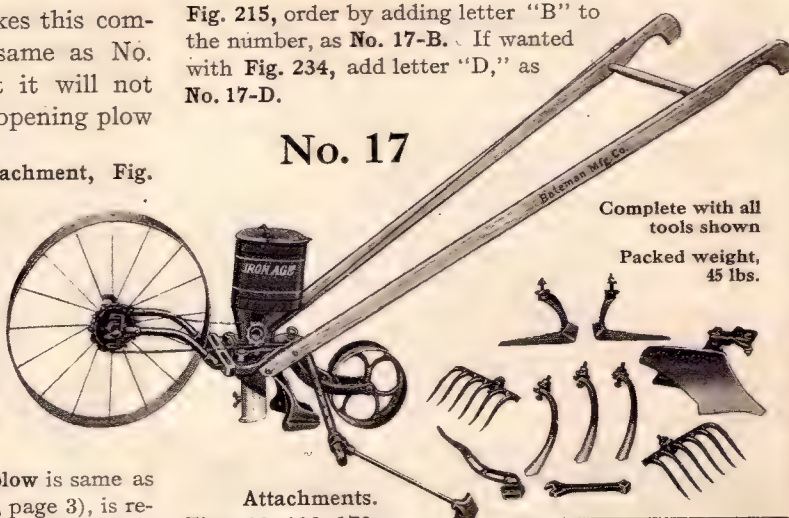
The drill attachment, Fig. 133, is exactly the same as on No. 4 Combined and the complete No. 17 gives same service as No. 4, except that the latter has double wheels and a higher frame.

The opening plow is same as on No. 4 (Fig. 320, page 3), is reversible for narrow furrows when planting market onions other than sets, and is adjustable for depth.

Figs. 215 and 234, page 3, can be furnished for No. 17, as attachments. If complete machine is wanted with

Fig. 215, order by adding letter "B" to the number, as No. 17-B. If wanted with Fig. 234, add letter "D," as No. 17-D.

No. 17



Complete with all
tools shown
Packed weight,
45 lbs.

Attachments.

Figs. 33, 112, 170, 216 and 369, on page 7, and Fig. 84, page 8, can be applied to No. 15. Also, Figs. 184 and 235, fertilizer attachments, page 16.

No. 18—Drill Seeder only.

Special Seed Drill (for Onions, etc.)

No. 18B

For market onions, other than sets. This drill is fitted with a special spout and opening plow, Fig. 215, shown by the arrow and separate cuts on page 3. Seed is drilled in very narrow rows, which makes thorough cultivation easy for

the Wheel Hoe. Cuts out hand weeding almost entirely, if not quite so.

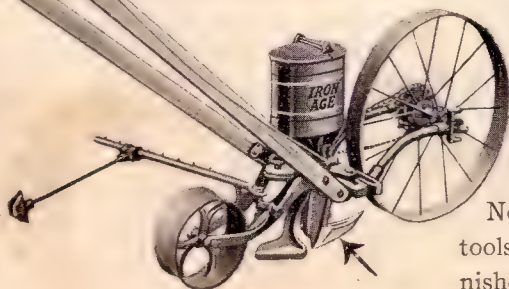
For onion seed, for sets you should have opening plow Fig. 145, on page 3.

This tool is like No. 18 in other points of construction. Number 18-B is not supplied with working tools, as shown in No. 17, but the tools can be furnished if wanted.

No. 18B

Drill only
Packed weight, 39 lbs.

How many men are just getting along without a special tool for careful seeding? Won't it be worth your while to find out from your dealer all about it?



Market gardeners find Iron Age drills just suited to their work. These men are seeding behind a fertilizer drill.

Single Wheel Hoe Cultivator, Plow and Rake

No. 9 For kitchen garden and poultry yard. The single wheel hoe is best where rows are narrow, as the work is done principally between them. Plants of small growth can be hoed both sides at once by placing the wheel on the left side. With the No. 9 the narrowest spaces can be worked, using but one cultivator tooth if necessary. Side hoes can be furnished as narrow as 4 inches for working between rows. Regular hoes are 7 inch. Does practically the same amount of work as Nos. 1-20, but does not take drill attachment. It is a light, well built tool and having but one wheel, runs steady. In poultry yards, big and little, the soil can be stirred thoroughly, work that is usually done with a special plow.

Construction. The wheel is steel, 16 inches high—the frame is one piece of steel tubing, bent to the proper shape for strength, and securely

attached to the malleable casting that carries the working tools and handles. The latter are adjustable for height.

The working tools include a pair each, side hoes and rakes, four cultivator teeth and landside plow. With the latter, deep furrows can be opened and covered. You can



No. 9

Complete with
all tools
Packed weight,
28 lbs.



No. 9

Cultivating
onions
in light
Jersey
soil



No. 10

Packed weight, 22 lbs.

In many states there are large sections that are especially adapted to growing onions.

Growers in such sections have learned that it is impossible to raise onions with profit without the best tools for the purpose.

Nos. 10 and 18B (page 9) are as good as you can get.

hill such crops as potatoes, celery, etc.

Attachments. Fig. 84, page 8, and Figs. 170-369, page 7, fit this tool. No. 29, price of which is given on page 6, is the disc form of No. 9.

Single Wheel Hoe

No. 10 This is No. 9 with side hoes only, and set with the hoes pointed in. They can be set as close as necessary and short side hoes used. (See description No. 9.)

Onion Growers prefer the tool in this form—the side hoes are always set, ready for business—they work close to the young plants, without injuring them—they make hand weeding practically unnecessary.

Wheel Plow and Cultivator

No. 12

It has four working tools as shown in the engraving—it will plow in all but hard ground, open furrows and cover them; hill growing crops, hoe, rake, and cultivate.

No. 12

Complete with all tools
Packed weight, 20 lbs.

For the laborer and mechanic who cannot afford much money for a garden tool, who has time only for the simplest work, but who, nevertheless, wants a garden with the least work possible. It means a big reduction in living expense and better health for his family and himself. The No. 12 is low-priced, but complete in itself for the work to be done. This tool, also, can be used to advantage in stirring the soil in poultry yards.

Easy to manage. The average net weight with one working tool is about eight pounds, and it is easily carried wherever you want to work. It is used as readily as a common hoe, but is quicker and does more good.

Scuffle hoes, like the one shown in the cut, can be furnished in any width up to 12 inches. Has the 16-inch steel wheel and a steel tube arch attached to a malleable frame.

You cannot always get a horse, or your garden may be too small



If your soil is light, try No. 11 in this way



The chicks like this and they are healthier when induced to work

Wheel Plow

No. 11

A light, graceful, low-priced tool, that can be used as a wheel plow anywhere, but is especially recommended for turning under accumulations in the poultry yard.

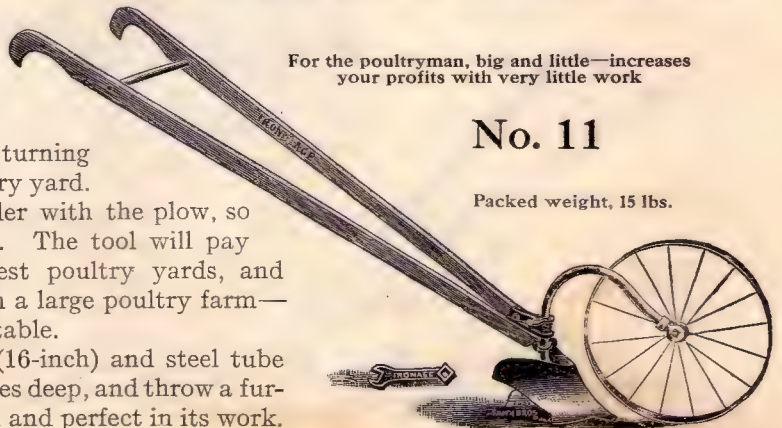
Scatter some oats and turn them under with the plow, so the chicks will have to scratch for the feed. The tool will pay for itself in this way alone, in the smallest poultry yards, and several tools can be used to advantage on a large poultry farm—the chicks will be healthier and more profitable.

Has bicycle construction, steel wheel (16-inch) and steel tube frame. It will plow from three to four inches deep, and throw a furrow four to six inches wide. Easy to push and perfect in its work.

For the poultryman, big and little—increases your profits with very little work

No. 11

Packed weight, 15 lbs.



Wheel Cultivator and Plow

**No.
19-C**

If you have never tried a wheel hoe for your garden, get one of these and see how easy it is to keep your ground under perfect cultivation. It is a low-priced tool and will always be a convenient tool to have for many kinds of work, even if you do buy some of the other combinations later.

Many market gardeners use several of these tools and find their use very profitable—a simple solution of the cultivation problem.

It does the necessary plowing in many soils, opens furrows for seed or fertilizer and covers on the return trip. Has two sizes of single teeth that work between narrow rows, a scuffle hoe and set of three teeth on one bracket for hoeing and cultivating between the wider rows. The old way of hoeing is entirely out of date and unnecessary.

With a tool of this kind, the work is done in a tenth of the time and you go through ten times where you did once before—result, a better garden in every way, with less work—keeps the weeds down, the thorough cultivation is good for the soil and helps to hold moisture in the ground.

A garden such as shown in the cut would be impossible to a busy man with an old-fashioned hoe.



A fine home garden, on a large scale, taken care of by one man



The cultivating tools include

Landside Plow

Scuffle Hoe

Two Separate Cultivator
Teeth

Set of Cultivator Teeth
on Bracket

No. 19-C

Complete with all
tools
Packed weight,
22 lbs.



24 inch wheel. The distinctive feature of this tool is its high steel wheel—24 inches—which some sections seem to prefer. The frame is an all steel arch in three parts—compact, light, durable. The working tools are attached in position easily and are adjustable. The plow turns a good furrow and is used for ridging or hilling the plants.



No. 19

Complete.
Packed
weight,
22 lbs.

Wheel Plow and Cultivator

**No.
19**

This is the old form of this tool and is furnished when ordered. No. 19 has a malleable rake in place of the set of three cultivator teeth on one bracket. The Bracket with teeth and set screw is sold as an attachment to fit old No. 19 (see Fig. 408).



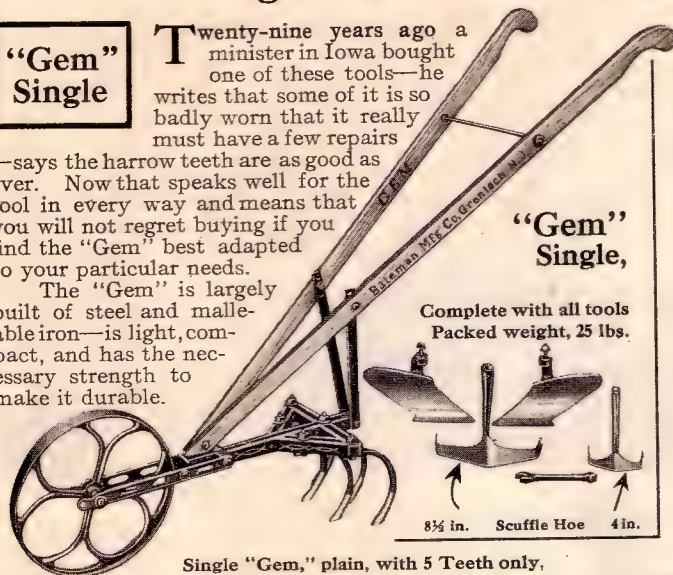
Fig. 408

Single Wheel Garden Hoe and Cultivator

"Gem" Single

Twenty-nine years ago a minister in Iowa bought one of these tools—he writes that some of it is so badly worn that it really must have a few repairs—says the harrow teeth are as good as ever. Now that speaks well for the tool in every way and means that you will not regret buying if you find the "Gem" best adapted to your particular needs.

The "Gem" is largely built of steel and malleable iron—is light, compact, and has the necessary strength to make it durable.



"Gem" Single,

Complete with all tools
Packed weight, 25 lbs.

8 1/2 in. Scuffle Hoe 4 in.

Single "Gem," plain, with 5 Teeth only,

All tools are fastened in notches on under side of the frame—they will not get loose and slip when working, and are adjusted on the frame as needed.

Double Wheel Hoe

"Gem" Double

Having two wheels instead of one, this tool can be used astride the rows in first and second workings of the crop. Side hoes are furnished instead of scuffle hoes, for close work. Other working tools include 5 cultivator teeth and pair of plows.

The axles are made to slide together like the parts of a telescope and bring the wheels close up, so that the tool can be used as a single wheel hoe between the rows.

The frame is exactly the same as used on the Single Wheel "Gem" and has same adjustments for tools and height of wheels.

Takes Fig. 33, Onion Set Gatherer, shown on page 7, as an attachment.

Fig. 32, Landside Plow, can be applied only to "Gem" Wheel Hoes, Single or Double, and is furnished as an attachment. It opens a straight, deep furrow.

The working tools include set of five slender cultivator teeth, each stamped from one piece of steel and guaranteed for thorough work, especially in hard soil—two sizes of scuffle hoes for working between the rows and a pair of plows which can be used together as one plow or separate for hilling. The scuffle hoes are four, and eight and one-half inches wide. A special size, six inches wide, will be furnished when ordered.

The wheels are adjusted in height by moving frame braces up or down on ratchet just in front of handles.

The handles, also, can be adjusted to suit short or tall people.

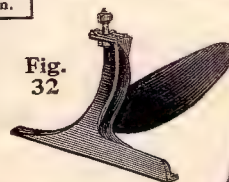
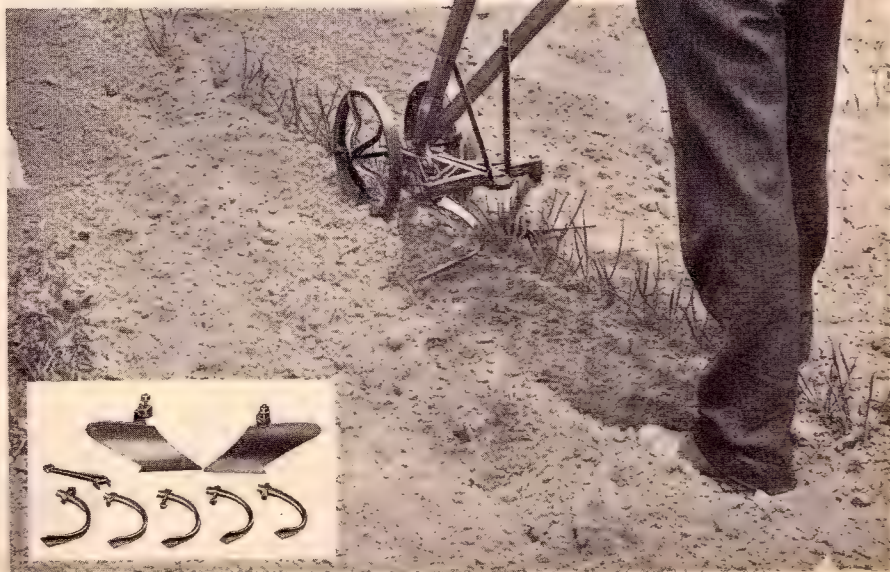


Fig. 32



Double "Gem,"

Complete with all tools. Packed weight, 30 lbs.

Garden Seed Drill

New Model

For 32 years we have made this drill, to the entire satisfaction of many thousands. Seedsmen, market gardeners and home gardeners all join in telling us how it saves seed, saves time, and makes better, easier cultivation possible. Many of the first "New Model" drills are still in use.

We have exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for the seed opening exactly where you want it.

The index is in plain sight when the tool is in operation—the names of the principal seeds are shown on it—no reference table is necessary. Although we provide this index,

We suggest that each man adjust at the mark, a trifle ahead or to the rear of the mark, according to his preference for sowing—every man can suit himself, but he gets an exact adjustment which he cannot get elsewhere.

The flow of seed can be instantly stopped by a swinging

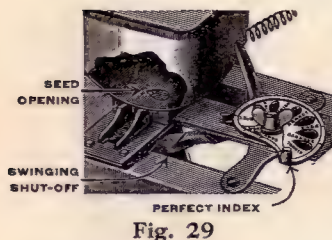
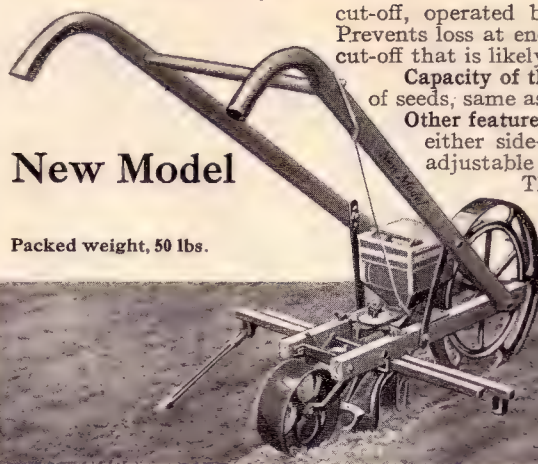


Fig. 29



Packed weight, 50 lbs.

New Model

cut-off, operated by a cord and ring on the handles. Prevents loss at ends of rows and is preferable to a slide cut-off that is likely to be jammed by falling seed.

Capacity of the hopper is two quarts. Sows all kinds of seeds, same as No. 6.

Other features. The marker can be worked from either side—is held firmly in place and is easily adjustable for rows 20 inches wide.

The covering wheel is attached to a swinging frame and by varying pressure on the handles the operator can roll lightly or otherwise.

The main wheel is 14 1/2 inches high with wide rim that keeps it from sinking into soft earth.

Unless otherwise ordered, we furnish all these drills with regular



Fig. 234

steel opening plow. It is reversible from top to bottom and adjustable for depth. (See Fig. 320.)

No. 2. When wanted with opening plow, shown in Fig. 234, the complete tool should be ordered as No. 2 New Model. This plow is practically clog-proof. It is sold also as an attachment for any New Model Drill.



Fig. 320
Reversed



Fig. 304

No. 2304

We also have another opening plow, No. A-22, used largely for sowing onion seed for sets—it scatters seed in the row over three inches wide. If new drill is wanted with this plow, please order as No. 2304, at same price as regular drill.

Hill and Drill Seeder

No. 8

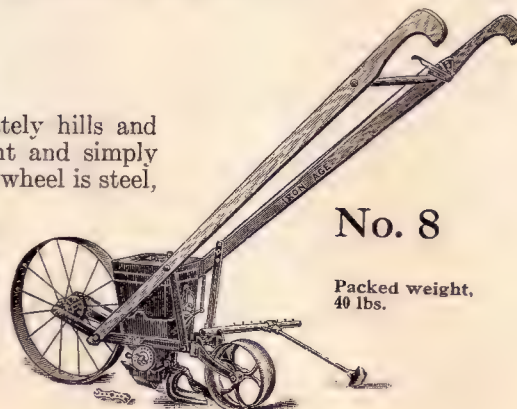
Has capacity for the larger seeds and yet accurately hills and drills all of the smaller varieties. It is light and simply constructed, but strong enough to do its work. The wheel is steel, 15 inches high, with two-inch tire.

Has 4-quart hopper, revolving brush agitator and force feed for seed, clog-proof opening plow, accurate hill dropping device (drops 4, 6, 8, 12 and 24 inches apart), flexible spring coverer, convenient shut-off, adjustable marker.

Fig. 119 shows special plow for sowing seed for onion sets—sows over three inches wide. Can be used on this tool only.



Fig. 119



No. 8

Packed weight,
40 lbs.

Combined Fertilizer Distributor, Hill and Drill Seeder

No. 22

Although commercial fertilizers are more convenient and more pleasant to handle than manure and are practically necessary in order that you may compete with your neighbor, **they are not profitable unless applied in an economical way.**

The gardener must know not only what kinds of



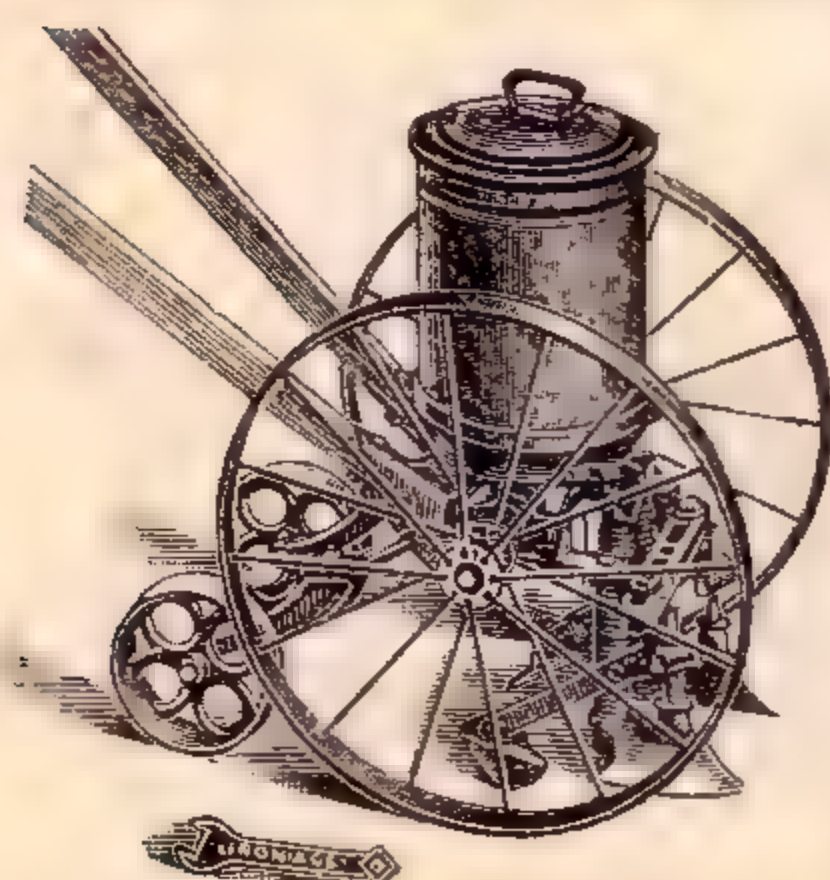
No. 22

Complete

Packed weight, 65 lbs.
Cultivating tools cannot be applied on the frame of this machine

fertilizer to put on, but **how.** There is where No. 22 **Iron Age** comes in—it applies the fertilizer in connection with the seed just where it will do the most good, and without injury to the seed. Although on a smaller scale,

The distributor is built on practically the same lines as the one used so successfully on our Potato Planter. The flow of fertilizer is regulated by a gate, adjusted by thumb screw, and is divided in the spout, at the discharge opening, into two streams.



No. 23.

Packed weight, 40 lbs.

The brass wire distributing tubes are flexible to meet necessary adjustment of the plows. The tubes will not rust and other parts likely to rust are galvanized. Fertilizer hopper holds four quarts.

The fertilizer distributor has **Two opening plows**—one or both may be used, and they are adjustable for depth and width also

—the fertilizer can be placed as near the seed as you wish or in the same line as the drill. Flexible coverers follow the plows.

The Hill and Drill Seeder attachment (Fig. 398) used on this tool is about the same as used on Nos. 6 and 15 Combined—the only difference being construction changes necessary to attach and operate it on No. 22. It is complete with its own opening plow and flexible coverer—opens its own trench through the mixed fertilizer and soil, and deposits the seed, without injury, in hills at 4, 6, 8, 12, or 24 inches apart, or in continuous rows as wanted.

The wheels are steel, 16 inches high, light and strong.

Below we explain another use for this tool when set up, as a

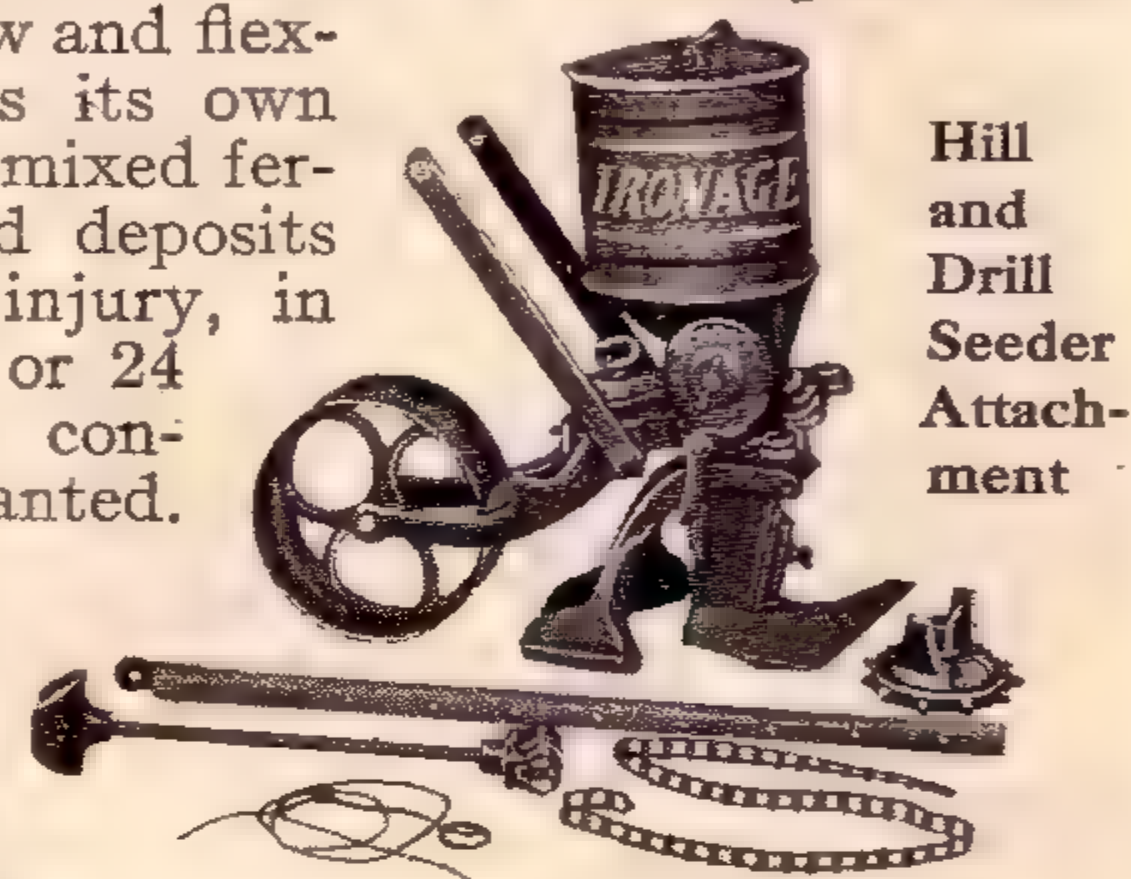


Fig. 398.

Fertilizer Distributor

No. 23

To be used as a Side Dresser. It is simply a part of No. 22—without the Hill and

Drill Seeder attachment, Fig. 398, and with small two-wheel truck at the rear. The tool can be purchased complete in this form and the Hill and Drill Seeder attachment added if needed later.

Broadcasting fertilizer before seeding is wasteful. Try applying part of the fertilizer in the row at seeding time and then use this tool (No. 23) to side dress with quick acting fertilizers, such as nitrate of soda. This will force the growth, make crop more tender, will sell quicker and at higher prices.



No. 22 in the field—spreading the fertilizer and drilling seed in one operation

Single Wheel Hand Fertilizer Distributor

No. 25

A combination of our No. 20 Single Wheel Hoe Frame and a practical Fertilizer Distributor attachment (Fig. 184) for the proper handling of commercial fertilizers. With it

Fertilizer may be sown across the bottom of the furrow or on either side, so it will not come in contact with the seed, possibly injuring it. Or, you can use the tool

For side dressing of crops, forcing earlier maturity and making a more

tender and salable crop. See V-shaped piece shown in spout in Fig. 184. When wanted on one side only, use small piece under sprocket to

Packed weight, 28 lbs.

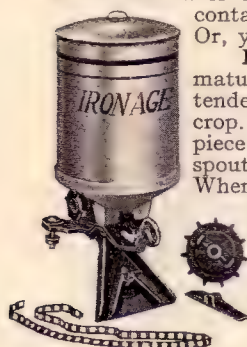


Fig. 184
Fertilizer distributor attachment.



No. 25

clog one side. If broad stream is wanted, take out V-shaped piece. The tool is light and convenient to get around with.

The capacity of the hopper is a trifle over four quarts.

All castings inside the hopper that come in contact with the fertilizer are galvanized to prevent rusting. A revolving wheel feeds the fertilizer.

The necessary working tools and all attachments, including the drill, can be purchased at any time and the machine used as a Single Wheel Hoe, or as a Drill Seeder.

Or, if you have No. 20, buy Fig. 184 or Fig. 235 and attach to your frame.

Single Wheel Fertilizer Drill

No. 26

This combination is made by attaching Fig. 235 to No. 20 frame and is sold without cultivating tools, although these will be sent complete if you order No. 20 and Fig. 184.

No. 26 drills the fertilizer and makes its own furrow, covers and packs it, and marks the next row, all in one operation. Sows fertilizer from $\frac{3}{4}$ to 3 inches in depth. Is light draft and convenient to handle.

For small seed. It is used mostly for drilling about eight days in advance of small seed, such as onions, etc. It has our anti-clog

plow, which cuts through and rides down trash and lumps and helps to put the fertilizer just where it is needed.

Attachments (Figs. 184-235) can be applied to our No. 1 Double and Single Wheel Hoe, as well as to the No. 20.

As No. 26 is of-

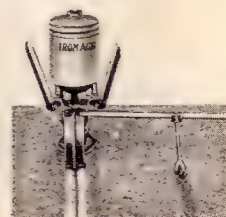


Fig. 303
Special marker wheel and frame.

ten used in advance of seed drill, it is desirable that a marked furrow be left as a guide—so we furnish a marker wheel, as shown in Fig. 303. Order Nos. C154 and C155 (Frame and Wheel.) If complete machine is wanted this way, order as No. 26 with Fig. 303 at same price.

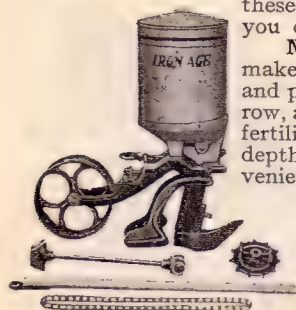
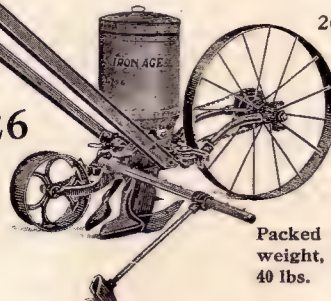


Fig. 235—
Fertilizer drill attachment.

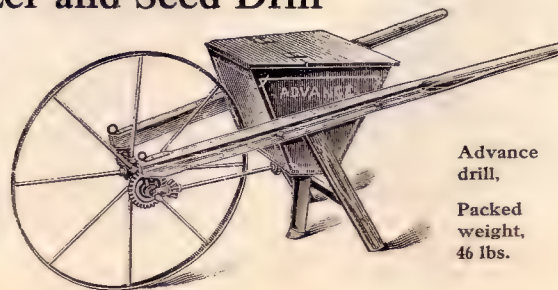
No. 26



Packed weight, 40 lbs.

“Advance” Fertilizer and Seed Drill

The best low-priced distributor on the market. Also, a first class tool for drilling peas, beans, and corn. The distributing disc is galvanized iron and will not break or rust. Hopper holds 18 quarts and is lined at the bottom with galvanized iron. A steel agitator keeps the seed moving, and a lever with thumb nut controls the seed opening. A loop is fastened at each side of the wheel so that a horse can be used—a small boy can operate it easily. The feed is operated by gearing and is positive. A lever throws in and out of gear. The wheel is steel—light, yet strong. We use a high wheel because it runs easier.



Advance drill,

Packed weight, 46 lbs.

Small Tools for Farm and Garden

No. 1, 5½ in., -
No. 2, 6½ in., -
No. 3, 8 in., -

"Bateman" Hoe. A hoe for cutting corn stubble, digging potatoes in the garden, etc. Is light but strong, has beveled edges and is oil tempered. Every farm should have one.

Transplanting Trowel. Fig. 40. For small plants. Used by truckers in sweet potatoes, cabbage, cauliflower, etc. One piece of steel with wood handle. Don't forget that to properly transplant, the holes should all be the same depth and the plants supported against a slanting side of the hole. Then close up the soil around the roots.

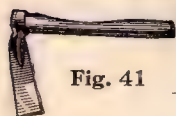


Fig. 41

Transplanting Hoe. Fig. 41. For transplanting long stem tomato plants and others. Jab the hoe into the soil, pull it toward you, lay the plant against the slanting side and push the dirt tight around the roots.

Asparagus Knife. Fig. 45. For those who want the flat kind.



Fig. 45.

Asparagus Knife. Fig. 260. Some prefer to use a concave knife—they think it takes hold better. Such a tool is a necessity for large or small growers—the crop will be gathered in better shape, and time saved is just as good as money in the bank.



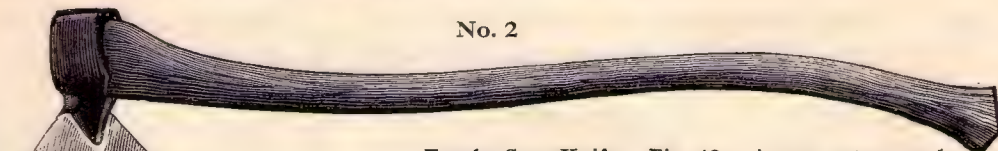
Fig. 260.

Asparagus Knife. Fig. 399. A "fishtail" style, 10-inch blade, drop forged, well ground, enameled shank, securely fastened to wood handle. Although especially designed for cutting asparagus, it can be used effectively for cutting out weeds on the lawn, or for any weeding or stirring of the ground.



Fig. 399.

No. 2



Eureka Corn Knife. Fig. 42. A corn cutter made from a solid piece of steel, oil hardened and temper drawn in a hot lead bath. Has wood handle. You will not be without one or more of these tools when you have used one an hour. See if we are not right.

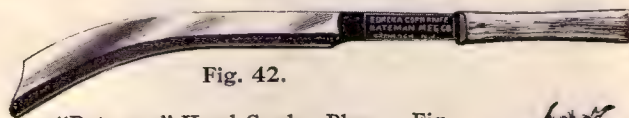


Fig. 42.

"Bateman" Hand Garden Plow. Fig. 39. For opening furrows for seed and manure, for covering and for tending the crop. Is a neat, carefully made tool with highly polished



Fig. 128
Garden Dibble

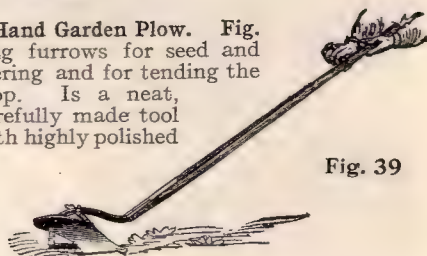


Fig. 39

steel moldboard and side handle (don't have to pull overhand). A thumb nut adjusts the working depth. The most manageable tool of the kind on the market.



Fig. 43.

Vine Cutter. Fig. 43. For cutting sweet potato vines, etc. Saves the back.

Dandelion Puller. Fig. 168. A handy tool with which to keep your lawn cleaned up.



Fig. 168.



The most economical way to gather asparagus

Horticultural Row Index

It may seem foolish, or at least needless, to spend money for things of this kind—a stick and piece of paper may answer the purpose, but certainly will not be as durable nor look so trim as this Row Index.

For use in private gardens, on trial grounds, experimental plots, in greenhouses, parks, etc.



The index tells you just what you need to know
It is there as long as you want it to be

Shows what you planted, and where and when. The labels can be taken out and filed for future reference. They are protected against the weather, dirt, etc., by transparent celluloid sheets. The label holder and frame are stamped from two pieces of steel, and the flat end of the steel standard goes through a double slot in holder on the back to keep label in the frame. Holder and frame are japanned to prevent rust.

The card label is a printed form, size $2\frac{5}{8} \times 1\frac{3}{4}$ inches. Extra labels furnished when needed.

The standards are made in three lengths as shown in list.

Home gardeners, seed men, and professional horticulturists find such an index of great value and convenience in their business.

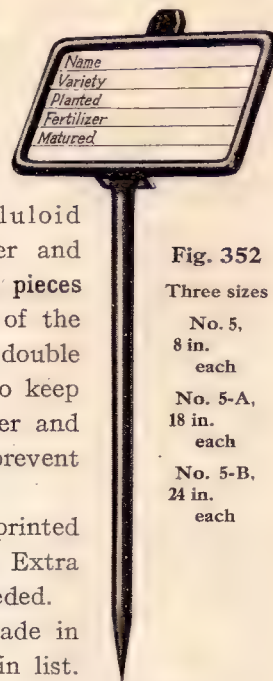


Fig. 352

Three sizes

No. 5,
8 in.
each

No. 5-A,
18 in.
each

No. 5-B,
24 in.
each

Harness Brackets

If the lack of a thing is, to you, the plain reason for the loss of chunks of money, you are not long in getting that particular thing. Why not apply the same remedy to the little things that mean considerable when taken together—that mean

Your convenience

A saving in wear

A lasting influence for your men

Order and neatness that is pleasure to see?

Every farmer, every livery, every private stable should have a set of these brackets. They will keep your harness in shape, which won't be the case if you hang the parts on old-fashioned hooks or nails, or throw it in the corner—somewhere. These brackets will teach your men and boys order—that there is "a place for everything" and

every thing should be in its place.

Instead of one hook, from which you have to pick each separate part of your harness, you will have these four brackets. If one part is missing you can see it at a glance, and know which part it is.

The brackets are made of gray iron, painted black and furnished with the necessary screws for fastening. The four parts are for the saddle, collar, crupper and bridle.

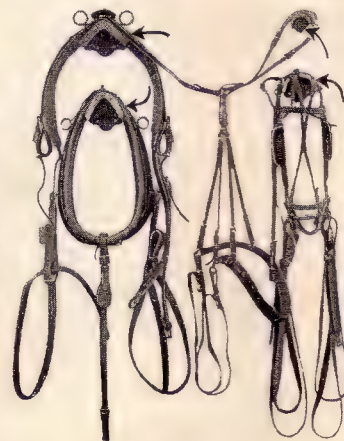


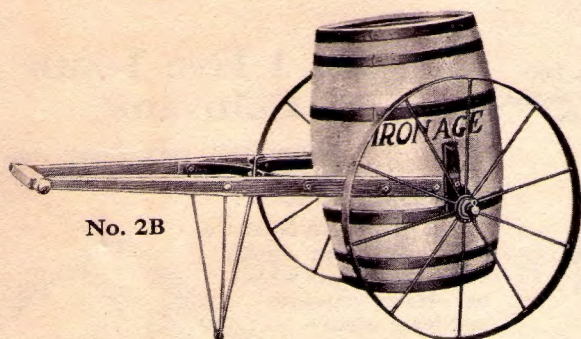
Fig. 353

4 brackets,

Barrel Truck, Cart, Leaf Rack and Sprinkler

- No. 1—Without barrel, steel wheels, $1\frac{1}{2}$ in.
No. 2—Without barrel, steel wheels, $2\frac{1}{2}$ in.
No. 3—Without barrel, steel wheels, $3\frac{1}{2}$ in.
No. 1W—Without barrel, wood wheels, $1\frac{1}{2}$ in.
No. 2W—Without barrel, wood wheels, $2\frac{1}{2}$ in.
No. 3W—Without barrel, wood wheels, 4 in.

Prices include one pair trunnions. With barrel, add letter "B" to the number, as No. 1B.



No. 2B

We are the original inventors of this style of Barrel Truck—there have been many imitations but none quite as good.

The barrel is picked up by the truck, carried to its place and dropped without your touching it.

The weight is balanced on the axle—none of it is carried on the handles—you just have to push the truck along. There are no castings to break—steel braced and steel fitted throughout. The width of the truck is $39\frac{1}{2}$ inches (outside). It has steel wheels with $2\frac{1}{2}$ -inch tires unless otherwise ordered. We can furnish with $1\frac{1}{2}$ -inch or $3\frac{1}{2}$ -inch steel, or $1\frac{1}{2}$, $2\frac{1}{2}$ or 4-inch wood wheels. The barrel is well made. The truck will handle other barrels—spirit or oil barrels, for instance—if extra trunnions are used.



Fig. 350

trucks. When wanted with truck, add letter "S" to the number, as No. 2-S.

Fig. 351. The solid part shows portion of combination side irons and truss rod. This attachment is to keep wheels from spreading at top after long continued carrying of heavy loads. It is to guard against rough usage only, but does add strength to truck. Is furnished as an

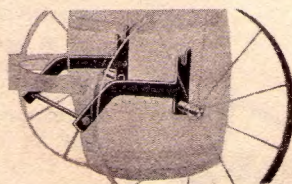


Fig. 351

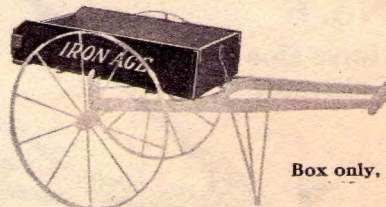
Solid part shows portion of side irons and truss. Attachment only.

attachment. If wanted with truck, add letter "T" to the number, as No. 2-T.

Other uses for this truck, shown below, add to its value many times. With the entire outfit, a man can do so many kinds of work that he gets his money back in short order. There is scarcely a week when some part of the outfit isn't in demand.

Hand cart box only. Fig. 306.

Size $37 \times 23\frac{1}{2} \times 8$ inches deep. Includes axle and spring catch. Tail board lifts out in the usual way. Requires no bolts to attach—simply lay it on the truck.



Box only.

Fig. 306

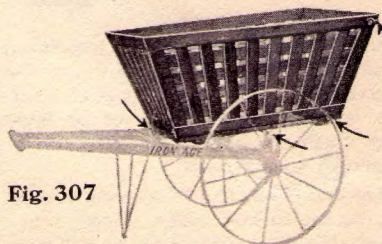


Fig. 307

Arrows show spring catch, axle, tail board connections. Leaf rack only.

Leaf rack only.

Fig. 307. For taking care of leaves, grass and trash on the lawn, in the garden, and may be used handily about the barn when you are cleaning up. Shipped knocked down, and can be folded flat and put away

in small space. Arrows show tail board fittings, trunnions and spring catch to hold it at the back. Size, $42 \times 28 \times 21$ inches deep. Is light weight, but well put together. Attaches by simply laying it on the truck.

The sprinkler attachment, Fig. 308, shown is used for watering lawns and walks; a great convenience for home, parks, railroad stations, cemeteries, etc. It consists of perforated steel pipe and fittings. A ball valve on the right side controls the water.



Fig. 308

Sprinkler attachment only (shown by solid parts)

Horse Hoes, Cultivators and Harrows

These three tools indicate, in a small way only, the extensive line of this kind made by us. If interested, it will pay you to ask for special booklet.

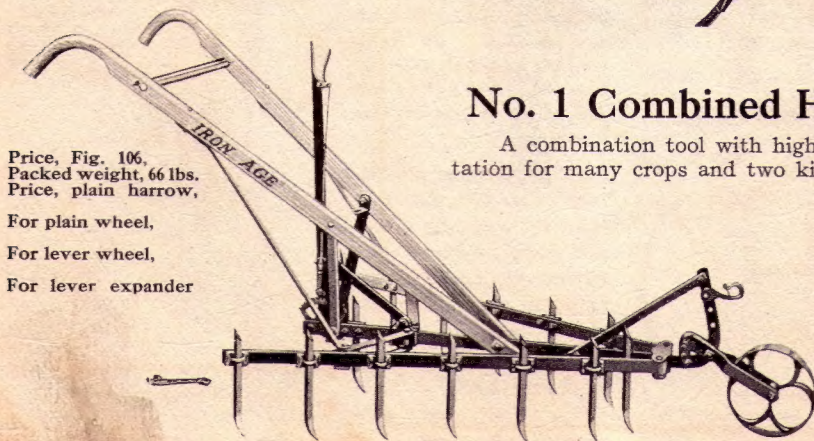
No. 6

Horse Hoe and Cultivator

This tool is a complete machine, with lever expander, lever wheel, and three extra points to make the machine into a five tooth cultivator. It is also furnished without either or both expander lever or lever wheels, or in any one of many combinations, with or without various attachments for special work.

Expands to 30 inches and closes to 14—as a cultivator, will close to 11. Can be set to hoe, ridge, cover, etc.—the standards are reversible and adjustable at different angles.

The long, high steel frame makes the tool run steady and clear of trash. Every tool in this line is light, yet strong and rigid—all are very simple in construction, compact and convenient.



Price, Fig. 106,
Packed weight, 66 lbs.
Price, plain harrow,

For plain wheel,

For lever wheel,

For lever expander

Fig. 106

Fig. 160
Packed weight,
83 lbs.

The expander lever changes the tool instantly, while in motion, to any width within range. Works smoothly—gives you control of the tool for changes in the same and other rows.

No. 1 Five Tooth Cultivator

A plain tool, built strong and simple, low-priced—just the one for straight-ahead work.

It can be made into a seven or nine tooth cultivator, with or without lever expander and lever wheel—

can be furnished as a horse hoe and also takes many special attachments.

A plain clamp expander adjusts the width from 9 inches to 24.

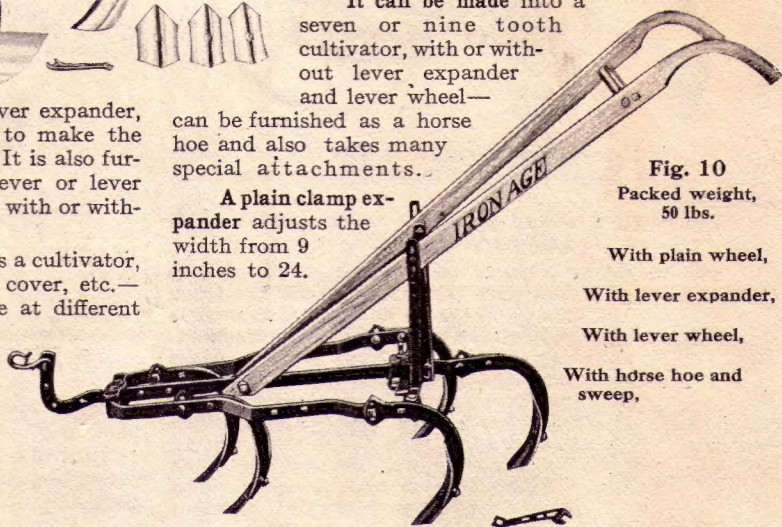


Fig. 10
Packed weight,
50 lbs.

With plain wheel,

With lever expander,

With lever wheel,

With horse hoe and sweep,

No. 1 Combined Harrow and Cultivator

A combination tool with high frame, clean cut construction and adaptation for many crops and two kinds of cultivation—as a harrow and as a cultivator.

A good tool in small fruits, sugar beets, etc. Opens to 34 inches and closes to 11. Furnished with or without expander lever—also, less the wheel. May be had with either.

Combination harrow and cultivator teeth or with double end cultivator points. The regular teeth, as shown in Fig. 106, are adjustable for height and angle.

IRON AGE *Garden Tools*



LEVELING THE SOIL AND MAKING IT FINE
BEFORE THE DRILL GOES THROUGH



IT DOES NOT TAKE LONG TO
SEED YOUR GARDEN WITH
A DRILL LIKE THIS



SUMMER SOWING
OF SPINACH



NO. 20 IN A NEW YORK STATE
ONION FIELD



NO. 1 "IRON AGE" WITH SIDE HOES CUTTING THE GROUND CLOSE TO YOUNG PLANTS



AN 81-YEAR-OLD MAN USING A NO. 9

IRON AGE

GARDEN TOOLS



IT IS NOT HARD WORK FOR A WOMAN TO MARK GARDEN WITH TOOLS LIKE THESE



KEEPING THE FLOWER GARDEN FREE FROM WEEDS



NO. 11 DISC CULTIVATOR IN A LARGE GARDEN



STIRRING THE SOIL IN THE CHICKEN YARD



SPREADING FERTILIZER ON A LARGE TRUCK FARM AND COVERING WITH CULTIVATOR TEETH ATTACHED TO THE WHEEL HOE

Property of Jason A. Cain